CLAIMS:

1. An electroconductive silicone pressure-sensitive adhesive composition comprising

(A) 100 parts by weight of an organopolysiloxane having the average compositional formula (1):

$$R_aSiO_{(4-a)/2} \quad (1)$$

wherein R is independently a substituted or unsubstituted monovalent hydrocarbon radical having 1 to 10 carbon atoms, and "a" is a positive number of 1.95 to 2.05,

(B) 50 to 250 parts by weight of an organopolysiloxane comprising structural units of the general formula (2):

$$R^1{}_3SiO_{1/2} \quad (2)$$

wherein R^1 is independently a hydroxyl radical or a substituted or unsubstituted monovalent hydrocarbon radical having 1 to 10 carbon atoms and $SiO_{4/2}$ units, in a molar ratio $(R^1{}_3SiO_{1/2})/(SiO_{4/2})$ between 0.5 and 1.2,

(C) 3 to 300 parts by weight per 100 parts by weight of components (A) and (B) combined of an electroconductive powder including core particles of an inorganic material or organic resin which are surface coated with a layer of a silicon-base polymer having reductive effect or a partially or entirely ceramic layer thereof, which is in turn surface coated with a metal by plating, and

(D) an effective amount to cure component (A) of a crosslinking agent.

2. The electroconductive silicone pressure-sensitive adhesive composition of claim 1 wherein in the electroconductive powder (C), the core particles are made of an inorganic material having a specific gravity of up to 3.5 and coated on the outermost surface with a noble metal.

3. The electroconductive silicone pressure-sensitive adhesive composition of claim 2 wherein the noble metal is selected from the group consisting of silver, gold, palladium and platinum.

4. The electroconductive silicone pressure-sensitive adhesive composition of claim 1 wherein the crosslinking agent (D) comprises an organohydrogenpolysiloxane containing at least two silicon atom-bonded hydrogen atoms in a molecule and a platinum group catalyst, or an organic peroxide.